

Rock Hill School District Three Recycling Partnership



Welcome and Introductions



Tony Cox
Associate Superintendent for
Administrative Services



Elizabeth Morgan
Environmental Educator

Background

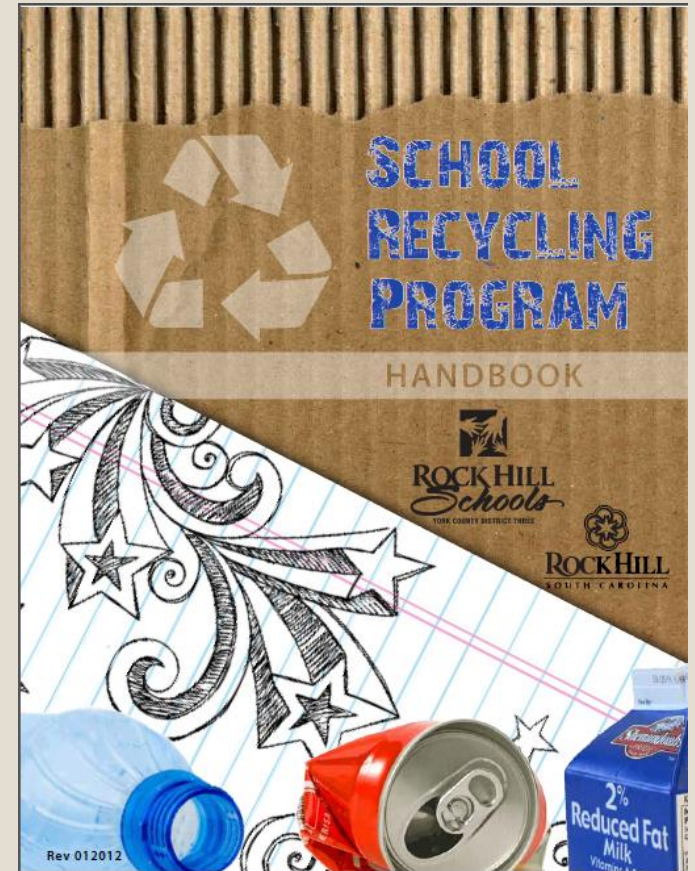


- School Sustainability Plan
- Environmental Educator Involvement in Schools

Contract



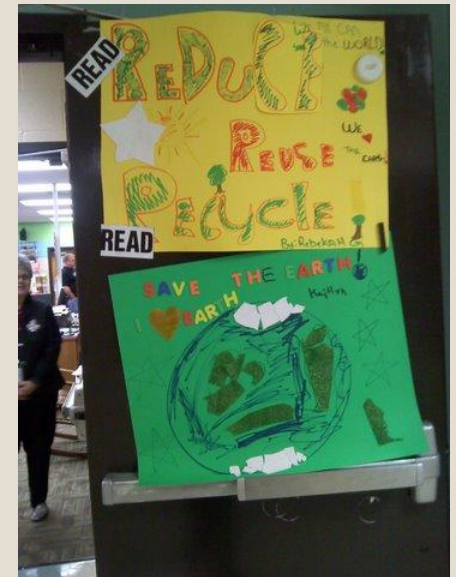
- Re-designed solid waste contract
 - FFP FP/IQ
 - Sealed Bid Negotiated
 - Volume based “flip ‘n’ charge”
Weight based “managed”
 - FP is 41 weeks / year, 25 sites
 - IQ is 41 weeks @ 9 sites
plus 11 weeks @ all sites
 - Monthly coordination meeting,
quarterly reviews



Team-Based Recycling



- Contractor Manager
- District Coordinator
- Site Team Leaders
- All \$ proceeds returned to schools
- Top E, M, H site each quarter gets “bonus” \$ from district site \$
- Tracked monthly
- End of year prizes for best in each (corporate partner donation)



Key Performance Indicators to check:



- Annual Solid Waste Cost < \$8.00/person
- Solid Waste Cost < \$65.00/ton
- Corrugated Cardboard > 10% total waste
- Recycling > 2.5 pounds/student-month
- Selling your scrap metal? E-waste?



Training



- Training with teachers, principals, custodial and janitorial staff



Materials



- Handbook
- Labels
- Bins
- Posters

EMPTY ALL FOOD & LIQUIDS
Remove lids and place in bin.

Plastic Bottles & Containers
(including yogurt tubs, but **NO STYROFOAM**)

Aluminum Cans & Foil

Steel Cans

Chipboard

Glass
(all colors)

Cartons
(no wax coatings)

Rock Hill South Carolina
Rock Hill Schools
York County District Three

Provided in part with funds and/or services from the S.C. Department of Health and Environmental Control's Office of Solid Waste Reduction and Recycling.

08-1009 1/12

CARDBOARD & PAPER RECYCLING
If you can tear it, we can take it!
Put the following items in the **RED DUMPSTERS**.

Corrugated Cardboard
(flatten all boxes)

Newsprint

Office Paper

Mail

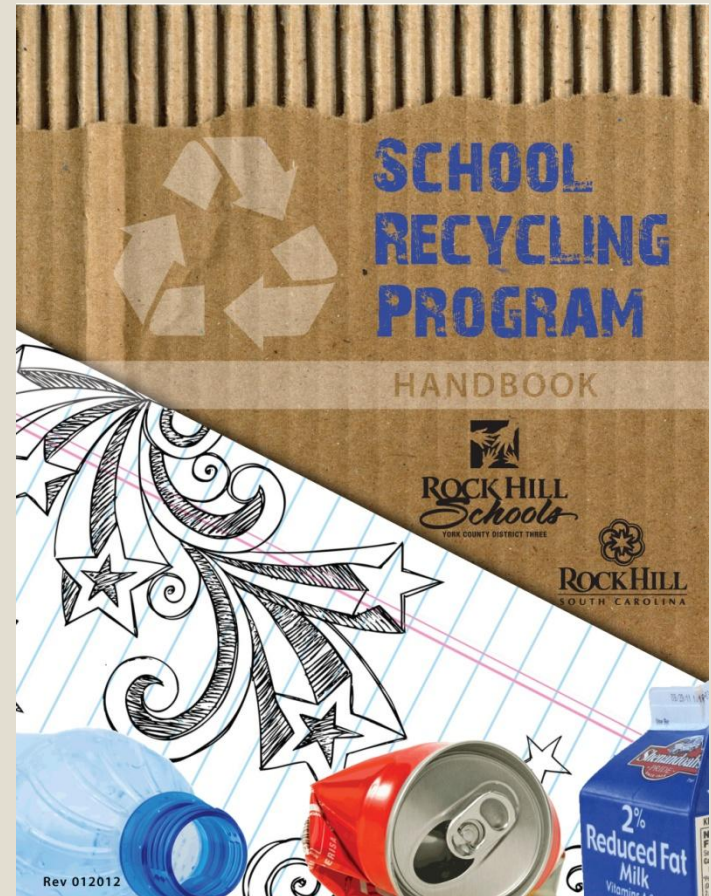
Catalogues & Magazines

All Other Paper
(construction paper, sticky notes, notebook paper, etc.)

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GET READY...



- Build a Team
 - Green Teams
 - ✦ Representatives from all school sectors
 - Occupational Diploma Students



GET READY...



- Collecting Recycling
 - Green Teams Should...
 - ✦ Make a Plan
 - ✦ Make a Schedule
- Monitoring Recycling
 - Green Teams Should...
 - ✦ Help keep contamination low
 - ✦ Help with cafeteria recycling
- Recycling Education
 - Green Teams Should
 - ✦ Be ready to answer questions
 - ✦ Have a way to find out answers



GET SET...



- **Location**
 - Keep containers near to where recyclables are generated
 - Consider larger bins for high volume areas
- **Labels**
 - Blue roll cart and red dumpster labels provided
 - Get creative!
- **Record Keeping**
 - City is keeping school wide records
 - Consider class or grade level competitions
 - Set goals



Go!



- Communicate and Educate
 - Students
 - ✦ Hands on participation
 - ✦ Cross Curriculum Involvement
 - Faculty and Staff
 - ✦ Recognize exemplary teachers
 - ✦ Reminders
 - Everyone Else
 - ✦ Remind parents
 - ✦ Educate visitors



REWARD THE “DOERS”

- Reward and Recognize
 - Incentives
 - Contests
 - Green Team t-shirts



WHAT can be recycled?

The most common items recycled at schools are paper, aluminum cans, plastic soft drink and milk bottles, milk cartons, office and notebook paper, cardboard and chipboard. **Rock Hill Schools will sort recycling into two streams:**

PAPER/CARDBOARD

If you can **TEAR** it we can **TAKE** it -
Place it in the paper bins



Classroom Paper (all colors)
Office Paper
Newsprint
Construction Paper
Mail
Magazines/Catalogs

.....

These recyclables get emptied
into the **RED Dumpster**



COMMINGLED

Remove food and liquid from all recyclables -
Remove all lids and place in bin



Plastics
Storage and Shopping Bags
Aluminum Cans & Foil
Steel Cans
Chipboard
Glass (all colors)
Cartons (no wax coatings)
(NO Styrofoam**)**

.....

These recyclables get emptied
into the **BLUE Roll Carts**



HOW



- Green Team Students
- Occupational Diploma Students
- Classroom/Offices/Work Rooms
 - Paper and commingled bins
 - Removed on a weekly schedule
- Cafeteria
 - Blue commingled roll carts
 - Remove food and liquids!
 - Green Team and staff monitor
 - Staff to recycle from kitchen area



WHERE



- Collection

- Staff to make sure blue roll carts are outside on collection day for pick up



WHERE



- Delivered to Sonoco Recycling in Charlotte
- Separated and sent to markets
- Only place accepted material in bins



WHO



- Roles and Responsibilities
 - Recycling Coordinator
 - Principal
 - Custodian
 - Cafeteria
 - Teachers
 - Students
- Our eyes and ears



STUDENT IDEAS

- Posters
- Signs
- Announcements
- School Newspapers
- Clubs
- Fairs
- Displays
- Public Events



Results: Jan – Mar 2012

Facility	TONS					RECYCLING	POUNDS PER
	MSW	COMMINGLED REC	OCC REC	Recycling Total	Total Waste	PERCENTAGE	STUDENT
India Hook Elementary	14.19	12.60	5.50	18.10	32.29	56%	64.2
Ebinport Elementary	17.93	9.57	5.21	14.78	32.71	45%	53.9
Mt. Gallant Elementary	15.18	8.50	3.83	12.33	27.51	45%	54.8
Richmond Drive Elementary	18.15	5.82	5.60	11.42	29.57	39%	44.0
Oakdale Elementary	21.12	7.95	4.80	12.75	33.87	38%	68.5
Finley Road Elementary	15.95	5.25	4.00	9.25	25.20	37%	41.4
Independence Elementary	27.39	9.18	6.10	15.28	42.67	36%	57.1
ParentSmart & Central Child Development Center	5.72	1.10	1.82	2.92	8.64	34%	15.5
Sunset Park Elementary	20.24	3.74	5.25	8.99	29.23	31%	37.9
York Road Elementary	22.55	3.32	4.90	8.22	30.77	27%	41.4
Ebenezer Ave. Elementary	20.24	4.26	3.20	7.46	27.70	27%	46.3
The Children's School at Sylvia Circle	19.36	2.75	4.08	6.83	26.19	26%	34.3
Mt. Holly Elementary	29.15	4.04	4.80	8.84	37.99	23%	34.0
Rosewood Elementary	27.94	1.52	6.20	7.72	35.66	22%	27.3
Old Pointe Elementary	23.21	0.75	5.90	6.65	29.86	22%	23.4
Lesslie Elementary	21.89	1.56	4.33	5.89	27.78	21%	28.0
Bellevue Elementary	29.81	3.64	4.50	8.14	37.95	21%	35.7
Northside Elementary	28.93	3.82	3.60	7.42	36.35	20%	31.0
TOTAL	378.95	89.37	83.62	172.99	551.94	32%	41.1

KEY:

MSW = Municipal Solid Waste (Garbage)

Commingled Rec = All recyclables except
corrugated cardboard

OCC REC = Corrugated Cardboard

$$\text{Recycling Percentage} = \frac{(\text{Commingled Rec} + \text{OCC Rec})}{(\text{MSW} + \text{Commingled Rec} + \text{OCC Rec})}$$

Facility	TONS					RECYCLING PERCENTAGE	POUNDS PER STUDENT
	MSW	COMMINGLED REC	OCC REC	Recycling Total	Total Waste		
South Pointe High						29%	28.7
Applied Technology Center						24%	48.1
Rock Hill High						16%	19.3
Flex Learning Center						15%	43.3
Northwestern High						14%	15.4
High School TOTAL						20%	30.9
Sullivan Middle						32%	35.3
Rawlinson Road Middle						27%	35.4
Castle Heights Middle						25%	31.5
Saluda Trail Middle						21%	25.6
Dutchman Creek Middle						17%	15.6
Middle School TOTAL						24%	28.7
District Office						30%	
Transportation Department						24%	
Facilities Services Department						22%	
District Stadium-211 Cherry Road						0%	
District Stadium South						0%	
Offices Total						15%	
GRAND TOTAL	869.31	134.81	168.92	303.73	1173.04	26%	35.1

Monthly Revenue Collected For Schools

January \$1,232.50
February \$3,245.88
March \$2,962.04
April \$3,975.79
May \$3,370.61
Semester Total \$13,786.37

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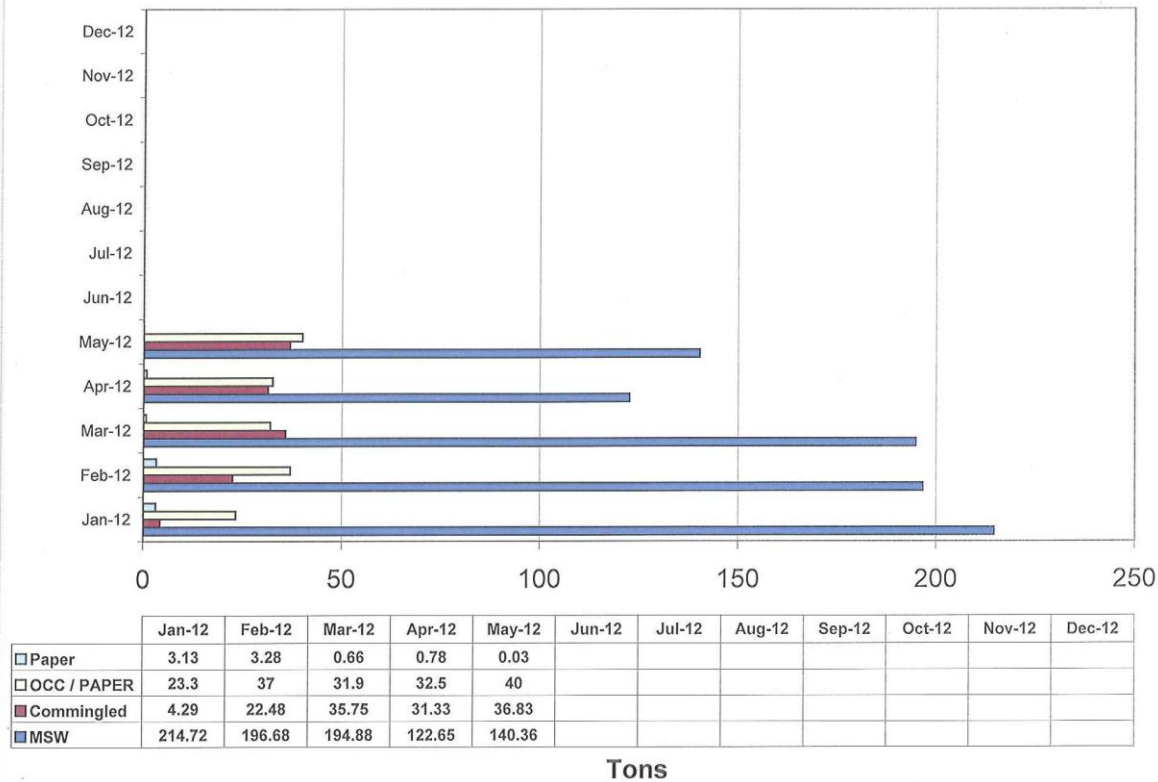
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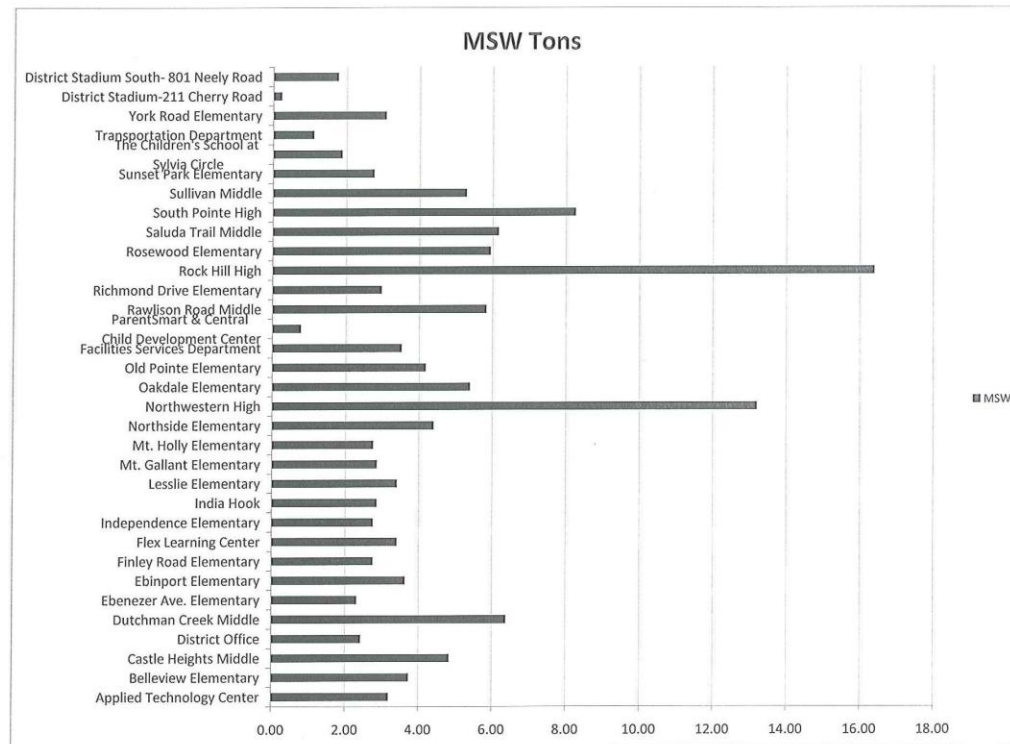
Monthly Report



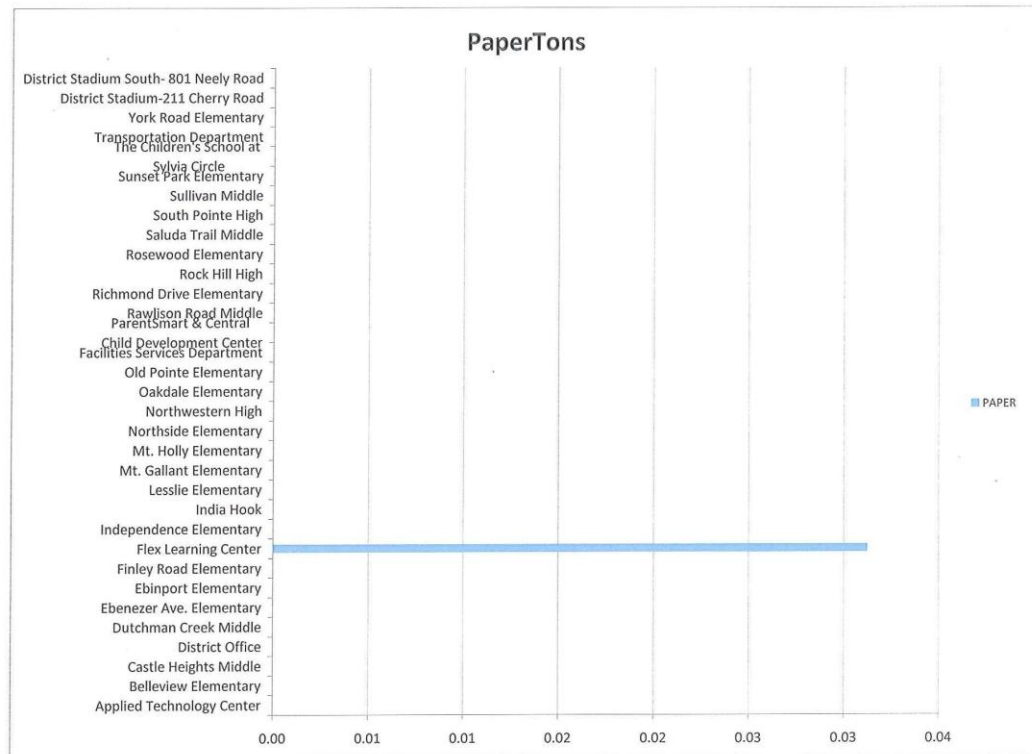
RH SCHOOL - COLLECTION TOTALS



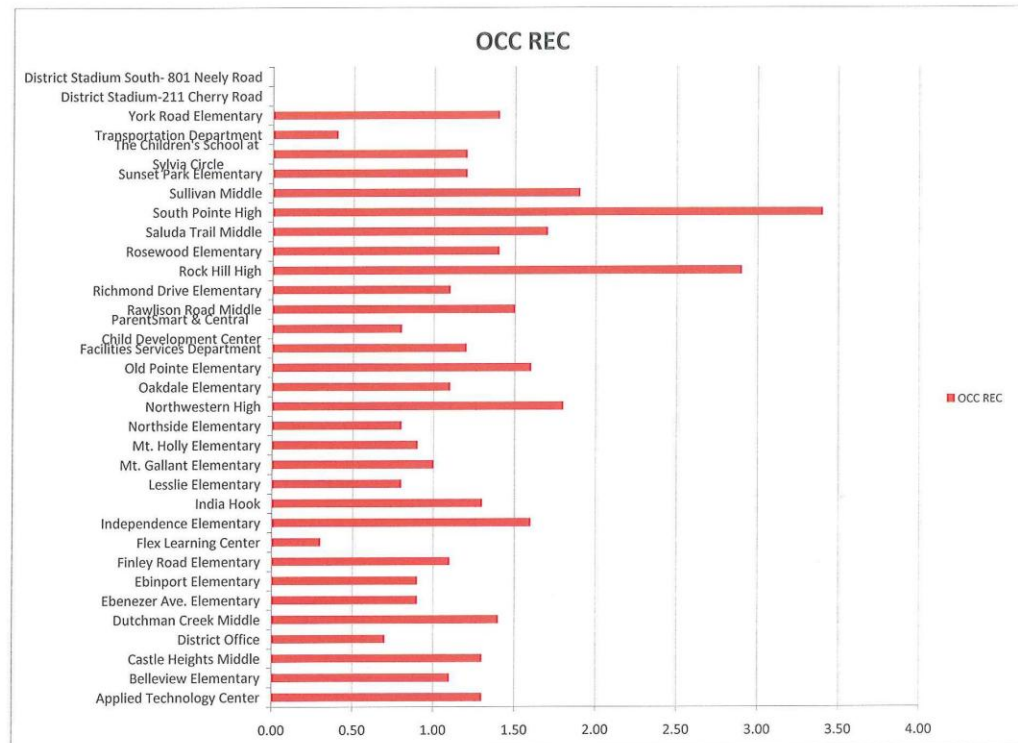
Monthly Report



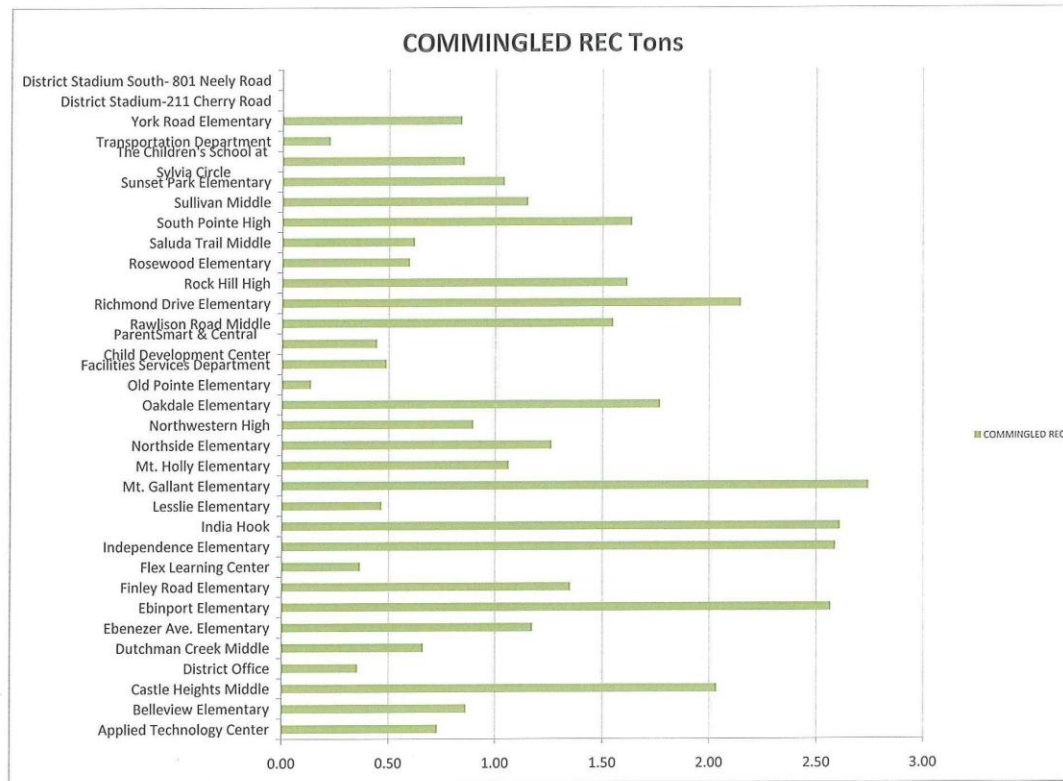
Monthly Report



Monthly Report



Monthly Report





Questions?